

Chapter 1 Review

Vocabulary/Notation

Point, line, plane, collinear, coplanar, segment, bisector, midpoint, angle, etc...

If 2 lines intersect, then they intersect in a ... point
 If 2 planes intersect, then they intersect in a ... line

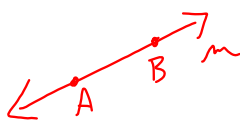
Notation

$AB = BC$

$\overline{AB} \cong \overline{BC}$

$\angle A \cong \angle B$

$m\angle A = m\angle B$



Any 2 points are collinear

Any 3 non-collinear points are coplanar

Distance formula-perimeter problems

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

Midpoint formula

$$M\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$$

Classify angles

Acute, right, obtuse, straight

Naming angles

Adjacent angles

Vertical angles

Complementary and supplementary angles

90°

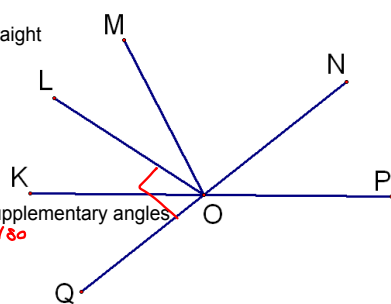
180°

Linear pair

Perpendicular lines \perp

90°

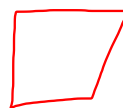
$\overline{LO} \perp \overline{QN}$



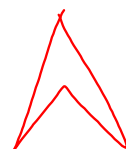
Polygons (prefixes)

Convex or concave

Regular



convex



concave

“Algebra Problems”

Ask yourself these questions

Are the expressions equal?


Is one half of the other?

Do they total 90° ?

Do they total 180° ?

If 3 parts are given, do two total the 3rd?

Show book website.

 http://www.glencoe.com/sec/math/geometry/geo/geo_04/

Review Problems.

p53-56 #s 1-12, 25, 26, 28-30, 35-37, 39, 40, 42-44

p57 #s 1-21

Answers will be posted on the wiki!